

Converting Colors

XYZ(58.5589, 77.6055, 79.7646)

Have a look what the booklet for
XYZ(58.5589, 77.6055, 79.7646)
contains.

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Color

**XYZ(58.4517, 77.5629,
79.6005)**

Conversions

Conversions Part 1

Format	Color
Hex	96F6DC
RGB	150, 246, 220
RGB Percent	59%, 96%, 86%
CMY	0.4118, 0.0353, 0.1372
CMYK	0.39, 0.00, 0.11, 0.04
HSL	164°, 84%, 78%
HSV	164°, 39%, 96%
XYZ	58.4517, 77.5629, 79.6005
YIQ	214.3320, -48.8700, -28.4380

Conversions

Conversions Part 2

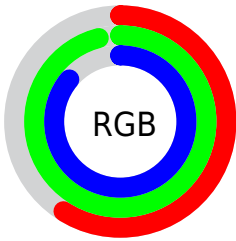
Format	Color
R_{YB}	150, 206, 246
Decimal	9893596
CIE _{Lab}	90.58, -34.20, 3.59
CIE _{LCh}	91, 34.388, 174.009
Yxy	77.5629, 0.2711, 0.3597
Android (android.graphics.Color)	4288083676 (0xFF96F6DC)
YUV	214.3320, 2.7943, -56.4192
Hunter-Lab	88.0698, -35.6522, 8.0605

Details

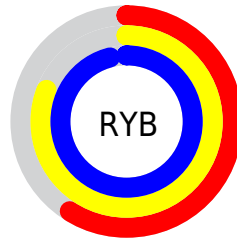
The XYZ color **58.4517, 77.5629, 79.6005** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **56.7515, 44.5421, 46.6837**, and the grayscale version is **64.1472, 67.4879, 73.4943**.

A 20% lighter version of the original color is **79.5421, 92.0054, 108.1742**, and **29.6052, 41.4915, 42.0456** is the 20% darker color. If you saturate the color by 10%, you get **53.5268, 75.1259, 74.8559**, and if you desaturate by 10%, it is **64.3664, 80.5100, 84.5784**.

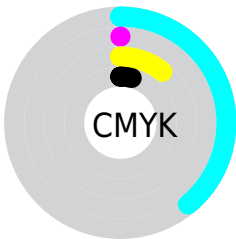
Distribution



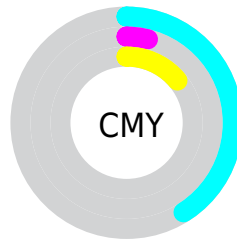
- Red (59%)
- Green (96%)
- Blue (86%)



- Red (59%)
- Yellow (81%)
- Blue (96%)



- Cyan (39%)
- Magenta (0%)
- Yellow (11%)
- Black (4%)



- Cyan (41%)
- Magenta (4%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.4517, 77.5629, 79.6005 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 58.4517, 77.5629, 79.6005 by changing the saturation by 10% instead.


 58.4517, 77.5629,
79.6005

 58.4517, 77.5629,
79.6005


408.7938,
486.6811, 513.2567

 42.4166, 57.7150,
58.8654


 101.6995,
129.9338, 134.6102

 29.6201, 41.5796,
42.0855


 129.6430,
163.2255, 169.7220

 19.6971, 28.7722,
28.8422


162.2865,
201.7673, 210.4630

 12.2820, 18.9086,
18.7169

199.9955,
245.9436, 257.2519

 7.0096, 11.6042,
11.2912

243.1354,
296.1387, 310.5072

 3.5145, 6.4748,
6.1464

292.0715,

 1.4313, 3.1359,

352.7371, 370.6474

2.8641

347.1692,
416.1231, 438.0910

■ 0.2784, 1.2031,
1.0257

■ 0.0000, 0.0642,
0.0000

■ 58.4517, 77.5629,
79.6005

■ 58.4517, 77.5629,
79.6005

■ 53.5268, 75.1259,
74.8559

■ 64.3664, 80.5100,
84.5784

■ 49.5247, 73.1587,
70.3344

■ 71.3194, 83.9863,
89.7889

■ 46.3804, 71.6298,
66.0324

■ 79.3639, 88.0211,
95.2383

■ 44.0175, 70.4997,
61.9442

■ 88.5475, 92.6389,
100.9307

■ 42.3452, 69.7217,
58.0633

■ 91.9775, 94.2864,
106.5456

■ 41.2277, 69.2260,
54.3810

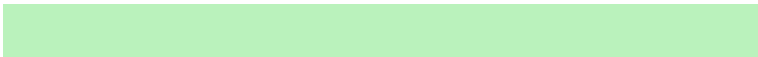
■ 92.2472, 94.3943,
107.9657

■ 41.1315, 69.1841,
54.0315

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



61.1211, 77.5629, 59.5422



58.4517, 77.5629, 79.6005



59.6088, 77.5629, 105.2507

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



58.4517, 77.5629, 79.6005



80.6645, 77.5629, 135.5893



83.8842, 77.5629, 51.6059

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



58.4517, 77.5629, 79.6005



56.7515, 44.5421, 46.6837

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.9017, 77.5629, 66.5928



58.4517, 77.5629, 79.6005



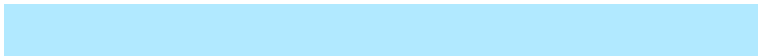
87.9439, 77.5629, 115.4916

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



58.4517, 77.5629, 79.6005



72.0069, 77.5629, 140.9275



91.4422, 77.5629, 89.4984



75.4626, 77.5629, 45.5304

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



58.4517, 77.5629, 79.6005



62.4438, 77.5629, 121.8628



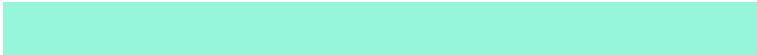
91.4422, 77.5629, 89.4984



86.2807, 77.5629, 55.6088

Sweetspot

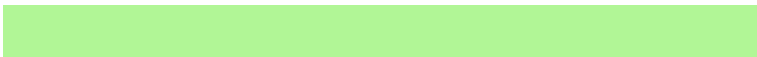
The Sweet Spot groups the original color and five complimentary colors.



58.4539, 77.5660, 79.6023



83.3686, 94.1289, 101.5373



56.6403, 77.4874, 40.8268



17.5953, 20.0225, 21.5665



0.0000, 0.0000, 0.0000



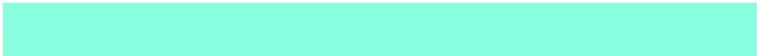
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



58.4539, 77.5660, 79.6023



59.0328, 81.9862, 82.1992



56.1939, 67.0993, 97.1822



16.7940, 18.6767, 20.1993



22.0153, 36.9509, 29.1639



1.9778, 3.2648, 2.7888

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



56.7515, 44.5421, 46.6837



56.9567, 41.4426, 41.8540



58.0387, 50.8473, 35.6110



16.6835, 16.5562, 18.0798



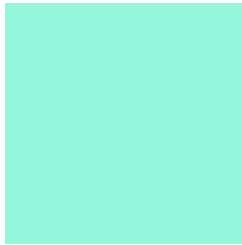
20.8710, 10.6918, 4.0291



1.8756, 0.9562, 0.5715

Previews

White Background



This preview shows how the XYZ color 58.4517, 77.5629, 79.6005 looks on a white background.

Color Contrast Check

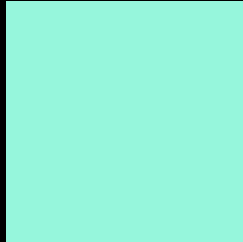
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 58.4517, 77.5629, 79.6005 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

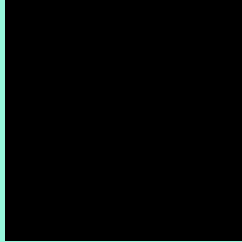
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 58.4517, 77.5629, 79.6005

Background



This preview shows how black text looks on a background with the XYZ color 58.4517, 77.5629, 79.6005.

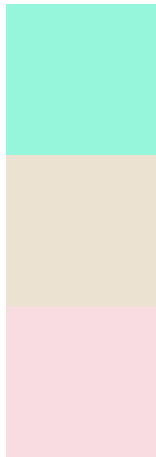


This preview shows how white text looks on a background with the XYZ color 58.4517, 77.5629,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

58.4517, 77.5629, 79.6005

Protanopia

72.9659, 76.6583, 71.2724

Deuteranopia

78.3876, 76.8171, 82.6472



Tritanopia

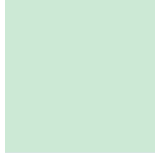
65.6378, 77.1397, 106.0377

Trichromacy



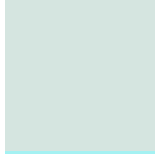
Original Color

58.4517, 77.5629, 79.6005



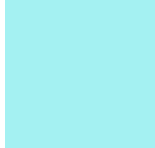
Protanomaly

66.0510, 75.9193, 74.1234



Deuteranomaly

68.9144, 75.5666, 81.4746



Tritanomaly

62.7922, 77.2139, 95.5987

Monochromacy



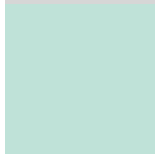
Original Color

58.4517, 77.5629, 79.6005



Achromatopsia

63.9157, 67.2443, 73.2291



Achromatomaly

61.0769, 70.4269, 75.3404

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.4517, 77.5629, 79.6005 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(150, 246, 220)` looks like.

```
.text, #text, p{  
    color:rgb(150, 246, 220)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(150, 246, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 246, 220) }
```

Border

The CSS property to change the border of an element to XYZ 58.4517, 77.5629, 79.6005 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(150, 246, 220) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(150, 246, 220) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(150, 246, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 246, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 246, 220);  
box-shadow:4px 4px 4px 4px rgb(150, 246,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 58.4517, 77.5629, 79.6005 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 246, 220) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(150,  
246, 220) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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